

**COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT
APPLICATION WITH POWER OF ATTORNEY**

ATTORNEY'S DOCKET
PR60235USw

First Names Inventor:
COLLINS, Jon Loren

Complete if known:
App No.:

Filing Date

Group Art Unit:

☐ Declaration submitted with initial filing or

☐ Declaration submitted after initial filing (surcharge required 37CFR1.16(e))

As below named inventor. I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CAR LIGAND-BINDING DOMAIN POLYPEPTIDE CO-CRYSTALLIZED WITH A LIGAND, AND METHODS
OF DESIGNING LIGANDS THAT MODULATE CAR ACTIVITY**

the specification of which (check only one item below):

☐ is attached hereto.

OR

☒ was filed on _____ as United States application Serial No. _____ or PCT International

Application Number PCT/US2004/023092 filed July 16, 2004 and was amended on (MM/DD/YYYY)
_____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

Prior Foreign Application Number (s)	Country	Foreign Filing Date (MM/DD/YYYY)	PRIORITY CLAIMED
1.			
2.			
3.			
4.			
5.			

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date (MM/DD/YYYY)	
1. 60/488,415	07/18/2003	
2.		
3.		

Page 2 of 3
DECLARATION FOR "371" APPLICATION

**COMBINED DECLARATION FOR UTILITY or DESIGN
PATENT APPLICATION WITH POWER OF ATTORNEY** Continued

ATTORNEY'S DOCKET NUMBER
PR60235USw

I hereby claim the benefit under 35, U.S.C. §120 of any United States application or §365(c) of any PCT international application designating the United States of America that is listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. PARENT APPLICATION or PCT PARENT APPLICATION

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	STATUS (Check one)		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint the practitioners associated with the Customer Numbers provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith
Customer Number **23347** and Customer Number **20462**

Address all correspondence and telephone calls to Customer Number **23347**

David J. Levy
Corporate Intellectual Property
GlaxoSmithKline
Five Moore Drive, PO Box 13398
Research Triangle Park, NC 27709-3398

Direct Telephone Calls to:

Michael M. Conger
919-483-2474

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	FAMILY NAME COLLINS	FIRST GIVEN NAME Jon	SECOND GIVEN NAME/INITIAL Loren
	INVENTOR'S SIGNATURE	Signature <i>Jon L. Collins</i>		Date: <i>9/1/04</i>
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US
2 0 2	FULL NAME OF INVENTOR	FAMILY NAME LAMBERT, III	FIRST GIVEN NAME Millard	SECOND GIVEN NAME/INITIAL Hurst
	INVENTOR'S SIGNATURE	Signature <i>Millard Lambert III</i>		Date: <i>Sept 01, 2004</i>
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME WISELY	FIRST GIVEN NAME George	SECOND GIVEN NAME/INITIAL Bruce
	INVENTOR'S SIGNATURE	Signature		Date:
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US

Page 3 of 3
DECLARATION FOR "371" APPLICATION

2	FULL NAME OF INVENTOR	FAMILY NAME XU	FIRST GIVEN NAME Xiaoyun	SECOND GIVEN NAME/INITIAL
	INVENTOR'S SIGNATURE	Signature		Date:
0	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
4	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US

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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint the practitioners associated with the Customer Numbers provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith
Customer Number **23347** and Customer Number **20462**

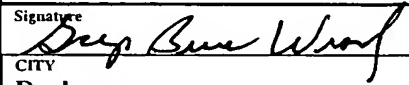
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Corporate Intellectual Property
GlaxoSmithKline
Five Moore Drive, PO Box 13398
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Michael M. Conger
919-483-2474

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2 0 1	FULL NAME OF INVENTOR	FAMILY NAME COLLINS	FIRST GIVEN NAME Jon	SECOND GIVEN NAME/INITIAL Loren
	INVENTOR'S SIGNATURE	Signature		Date:
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US
2 0 2	FULL NAME OF INVENTOR	FAMILY NAME LAMBERT, III	FIRST GIVEN NAME Millard	SECOND GIVEN NAME/INITIAL Hurst
	INVENTOR'S SIGNATURE	Signature		Date:
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME WISELY	FIRST GIVEN NAME George	SECOND GIVEN NAME/INITIAL Bruce
	INVENTOR'S SIGNATURE	Signature 		Date: 9/1/04
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
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Page 3 of 3
DECLARATION FOR "371" APPLICATION

2	FULL NAME OF INVENTOR	FAMILY NAME XU	FIRST GIVEN NAME Xiaoyun	SECOND GIVEN NAME/INITIAL
	INVENTOR'S SIGNATURE	Signature <i>Xiaoyun Xu</i>		Date: <i>9/1/08</i>
0	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY NC	COUNTRY OF CITIZENSHIP US
	POST OFFICE ADDRESS	POST OFFICE ADDRESS GlaxoSmithKline Five Moore Drive, PO Box 13398	CITY Research Triangle Park	STATE & ZIP CODE/COUNTRY North Carolina 27709, US

Doc Code:

PTO/SB/81 (04-05)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	To be assigned
Filing Date	Concurrently herewith
First Named Inventor	Jon Loren COLLINS
Title	Car ligand binding domain polypeptide
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	PR60235USw

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

23347

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Signature	<i>Robert H. Brink</i>	Date	January 18, 2006
Name	Robert H. Brink	Telephone	(919)483-3323
Title and Company	Attorney, SmithKline Beecham Corporation		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

IAP15 Rec'd PCT/PTO 18 JAN 2006

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Jon Loren COLLINS et al.

Application No./Patent No.: To be assigned Filed/Issue Date: Concurrently herewith

Entitled: **CAR LIGAND BINDING DOMAIN POLYPEPTIDE CO-CRYSTALLIZED WITH A LIGAND, AND METHODS OF DESIGNING LIGANDS THAT MODULATE CAR ACTIVITY**

SmithKline Beecham Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015301, Frame 0719, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document (s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Robert H. Brink

Signature

January 17, 2006

Date

Robert H. Brink

Printed or Typed Name

(919)483-3323

Telephone number

Attorney, SmithKline Beecham Corporation

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Power of Attorney

BY THIS POWER OF ATTORNEY given this 23rd day of February two thousand and five SMITHKLINE BEECHAM CORPORATION, a company incorporated in Pennsylvania (Registration No. 3330395) and having its registered office at One Franklin Plaza, P.O. Box 7929, Philadelphia, Pennsylvania 19101, United States of America, (hereinafter called "the Company"), HEREBY appoints all and any of its Directors, Secretary and Assistant Secretary for the time being, and DAVID ROBERTS, PETER JOHN GIDDINGS, ARTHUR WILLIAM RUSSELL TYRRELL, HUGH BAINFORDE DAWSON, WENDY ANNE FILLER, MICHAEL JOHN STOTT, PETER I. DOLTON, HELEN KAYE QUILLIN, MARCUS JONATHAN WILLIAM DALTON, CHARLES M. KINZIG, STEPHEN VENETIANER, THEODORE R. FURMAN, MARY E. MCCARTHY, EDWARD R. GIMMI, CHARLES EDWARD DADSWELL, ROBERT H. BRINK, and FRANK P. GRASSLER jointly and severally to be its true and lawful agents and attorneys (hereinafter called "the Attorneys") on behalf and in the name of the Company or otherwise to do, perform, exercise or execute or concur with any other person or persons in doing, performing or exercising in or for any country or countries or jurisdiction in any part of the world all or any of the following powers, acts, deeds and things in connection with: letters patent, including extensions thereto; utility models; copyrights; trademark registrations; trademarks; trade names; trade dress; logos; design rights; designs and all rights analogous thereto and all applications therefor and any other forms whatsoever of intellectual property rights; including know-how, all of which are hereinafter called "Intellectual Property Rights", that is to say:

1. In any country or countries or jurisdiction in any part of the world to make application or cause application to be made for the grant or issue or transfer to the Company or registration in its name of Intellectual Property Rights and to take all steps necessary for the same to be prosecuted, maintained, withdrawn, renewed, enforced, defended or extended.
2. As the act and deed of the Company to sign, seal, deliver and execute all or any assignments or assurances, licences to the Company of or under any Intellectual Property Rights or the right to and interest in any inventions to be the subject of Intellectual Property Rights for the purpose of fully and effectually vesting and transferring the same in and to the Company.
3. As the act and deed of the Company to sign and execute all or any assignments and acceptances of the transfer or assignment of such rights, and also any licences, sub-licences and consents from the Company of or under any Intellectual Property Rights or the right to and interest in any invention to be the subject of Intellectual Property Rights, for the purpose of fully and effectually vesting transferring or granting the same in and to any entity, whether in the United Kingdom or elsewhere, in so far as such documents can be executed without the Company's seal being affixed thereto. For purposes of this Power of Attorney, the terms "entity" means, and includes, any person, firm or company or group of persons or unincorporated body.
4. To give undertakings or assurances to third parties and to any Trademark Registry or official intellectual property agency or governmental department or otherwise responsible for the registration or protection of trademarks, trade names, trade dress, logos, design rights or designs for the purpose of best protecting or ensuring the co-existence of the Company's rights to trademarks, trade names, trade dress, logos, design rights or designs.
5. To commence, prosecute and defend any proceedings or applications whether judicial or extra judicial relating to Intellectual Property Rights and to maintain, withdraw or settle the same.


6. For and in connection with any Intellectual Property Rights to sign, seal, deliver and execute any Power of Attorney or other deed or document authorising any agent, including trademark and patent agents and attorneys, to act on behalf of the Company.
7. To apply for the registration, amendment or cancellation of user rights in respect of any trademark or trade name.
8. To act in regard to all official communications which may now or hereafter be addressed to the Attorneys relating to Intellectual Property Rights or the renewal thereof in such manner that the Attorneys may be recognised as the authorised agent(s) of the Company in all proceedings in relation thereto.
9. For all or any of the purposes contained herein as the act and deed of the Company to sign, seal, deliver, execute and do all such documents, deeds, agreements, instruments and to do such acts as shall be requisite or may be deemed proper for or in relation to the said purposes.
10. This Power of Attorney shall expire on December 31, 2006

AND THE COMPANY HEREBY RATIFIES and confirms and agrees to ratify and confirm all and whatsoever the Attorneys or any person, persons, firm or company appointed by them shall lawfully do or have done by virtue of the authorities herein contained

AND THE COMPANY HEREBY DECLARES that all instruments executed under and by virtue of this Power shall be as valid and effectual as if sealed by the Common Seal of the Company.

IN WITNESS whereof **SMITHKLINE BEECHAM CORPORATION** has caused its Common Seal to be hereunto affixed the day and year first before written

The **COMMON SEAL** of)
SMITHKLINE BEECHAM CORPORATION)
was hereto affixed in the presence of:)



Donald F. Parman
Vice President and Secretary